

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996
From: "Barry L. Ornitz" <u856010@eastman.com>
Subject: 316 tubes
Message-ID: <Pine.ULT.3.91.960223180411.5205A-100000@dua150.kpt.emn.com>

I don't have data but I know the tube was good for only a few watts. I remember seeing an old QST article for a transmitter for 1215 MHz (long before 1296 of today) using the tube. The tube was mounted in a metal trough (corner reflector) with a probe antenna and feedback such that the tube was a self-excited power oscillator. Stability would be entirely unsuitable for today, but was fine for the UPX-6 surplus gear of the time. A more modern analogy would be the solid-state Gunn diode "gunnplexors" of today.

73, Barry WA4VZQ ornitz@eastman.com

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996
From: johnculp@tricon.net (John S. Culp, M.D.)
Subject: 3MP7 CRT vs. 3MP1 CRT ?
Message-ID: <v01530500ad52cd0e0d99@[204.176.127.20]>

Hi, Don!

I'm _way_ behind on reading my E-mail, so you've probably gotten a zillion replies on this by now. P7 is a long-acting phosphor originally used mainly for radar displays. It's actually two phosphor layers. The long-acting green stuff isn't very sensitive to cathode rays but is very sensitive to ultraviolet. It has a layer behind it (facing the electron gun) that emits UV when hit by the electrons. The result is a brief blue flash when the beam sweeps by, followed by a prolonged yellow-green phosphorescence. (I amused myself and my kids a few days ago by holding a 5FP7 up to a fluorescent fixture and watching how long it glowed in the dark afterwards. Amusement's hard to come by when you're snowed in!) P1 phosphor is a "medium persistence" phosphor, glowing for about the same amount of time as P4 TV tube phosphors do.

Antique Electronic Supply is selling a book called "The Cathode Ray Tube: Technology, History and Applications", by Peter Keller (a Tektronix CRT guru.) I recommend it highly. These devices we so often take for granted have a quite fascinating history!

John

"A cheerful heart is good medicine, but a crushed spirit dries up the bones."
Proverbs 17:22 (NIV)

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996
From: Duncan Cadd <dcadd@luc.ac.be>
Subject: Re: Alexanderson etc
Message-ID: <9602231152.AA07970@alpha.luc.ac.be>

Greetings, Anchorites, from a sunny and snowy Diepenbeek in N.E. Belgium!

Dick writes:

> But I also keep hearing about one surviving Alexanderson alternator in
> Sweden that they fire up once a year. Anyone know for sure about
> that? Now *that's* a boatanchor.

Good job I kept the email I had on the subject last summer! Here's the
definitive reply. But I thought there was still one in operational
condition on the US East Coast somewhere ?

73,

Duncan ON9CHU / G0UTY G-QRP 8117 dcadd@luc.ac.be

Forwarded message:

> From: larsa@algonet.se (Lars Andersson)
>
>
> Duncan, in Grimeton near Varberg in the west of Sweden we still have an
> _operational_ Alexanderson transmitting station. It was operated to
> celebrate something a few years ago.
>
> I translate from a technical description in a swedish paper,
> _RADIOTEKNIK by Kapten E. Anderberg _ written in 1927.
>
> The rotor is a steel disk with notches and teeth rotating past a stator with
> many coils.
>
> Rotor diameter 1600 mm
> Nbr of teeth 1000
> Rot speed 2400 rpm
>
> There were two generators installed.
> Call sign, frequency or power not stated.
>
> I have not seen the station, but I think it is possible to see it by
> appointment.
>
> This book mentions several other inventors of similar machines and gives
> short descriptions.

>
> Fessenden
> Bethenod-Latour
> Goldschmidt
> Poulsen
> Pedersen
>
> This book also says that these "continious waves" cannot be heard by older
> ship's receivers (intended only for "damped oscillations")
>
> 73/ Lars
> SM0FOE loc J089TE

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996
From: wally@mindy.sys.sdl.usu.edu (Wally Gibbons)
Subject: BA Junkers
Message-ID: <9602231551.AA03960@mindy.sys.sdl.usu.edu>

TGIF to all,

Tom Marcotte said:

>Gentlemen?

>Would anyone be interested in archiving a contact list of BA junker owners
>who are willing to sell parts?

I'm for this, I have three parter hammerlunds waiting for someone on the list to express a need for a power transformer, etc. I'd gladly post these on a list so someone could use the parts to get a restorable one going.

My .02.
Wally Gibbons

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996
From: "Marcotte, T F (T" <TFMA@chevron.com>
Subject: BA Junkers Contact List?
Message-ID: <CPLAN030.TFMA.240014050096054FCPLAN030@ION.CHEVRON.COM>

From: Marcotte, T F (Tom)
Subject: BA Junkers Contact List?
From boatanchors@theporch.com Fri Feb 23 13:51:47 1996
From: KC5IJD@aol.com

Subject: Re: BA Junkers Contact List?

Message-ID: <960223085739_151499539@mail02.mail.aol.com>

>Would anyone be interested in archiving a contact list of BA junker owners
>who are willing to sell parts?

Tom,

Sounds like a great idea to me.

I have at least one set I can include (a NC-190 that was DOA (destroyed on arrival) - not to mention that the fellow had substituted a 220 V power transformer.

73

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijd@aol.com

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996

From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>

Subject: Re: BA Junkers Contact List?

Message-ID: <199602231404.IAA04984@dlep1.itg.ti.com>

At 07:16 AM 2/23/96 -0600, you wrote:

>Would anyone be interested in archiving a contact list of BA junker owners
>who are willing to sell parts?

I think it's a great idea. ER's list doesn't seem to get updated. People I've talked with who used to have rigs on ER's list can't seem to get their names off.

Now, if someone would just be willing to maintain such a list...

Regards,
Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com

Views expressed herein are no one's fault but mine.

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996
From: w0ogh@ix.netcom.com (Larry Godek)
Subject: Boneyard Scrounger
Message-ID: <199602240250.SAA15287@ix2.ix.netcom.com>

Today John Martin from the list here and I made a trip to Tucson to sww
what BA's could be discovered amongst the sagging hulks of proud
airships of the past. Actually things turned out pretty darned good.

What we found and returned how with were:

- FT-154 for the BC-348
- ART-13 shock mount.
- Mount for the Big antenna tuner for the ART-13
- 2 dynamotors for the ART-13
- 2 mounting trays for the ART-13 dynamotor
- A command rcvr, BC-453 with rack and shock mount
- Approx. 4 ft splined drive for command set
- a pair of cables tthat go between the LM freq meters and their
power supplies
- A pair of racks for the ARC-1
- 3 ea ARC-2 units but only one rack at this time
- A Navy flameproof key from the radio operators position in one of
the Acft
- Control head for the ARC-5 rec.
- Control head for the ARC-2 rdaio
- J-16 jack boxes
- About 8 insulators for running the antenna wire from the ART-13 to
the antenna.

All in all not a bad day. Next month will find us doing a similar
thing.

Most of the stuff above will probably go up for sale one of these days
soon. Stay tuned for further action.....

Larry W00GH@ix.netcom.com

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996
From: "William L. Fuqua III" <wlfluqu00@service1.uky.edu>
Subject: Broken Heathkit needed
Message-ID: <199602231859.NAA17743@service1.cc.uky.edu>

I'm working with an academic mentoring student this year. He is interested in electronics and science and must turn in a project in a couple of months. Currently he has his tech and is working on code and doing nicely.

The goal is to have him design and build a HF rig and then contact another country with it when it is completed. He wants to build a double conversion receiver at this point and a cw transmitter. It seems to me if we stay with the frequencies used in the Heathkit local oscillators and vfo we could save considerable money. Therefore I'm looking for a cheap heathkit just for the crystals and maybe filters so that he can make a multiple band receiver.

Possibilities are

hw-100,101

sb 100, 101

sb 300, 301

sb 400, 401

I'm taking him to the Cincinnati hamfest this weekend but he is short of funds.

tnx

es 73

Bill ko4ww

William L. Fuqua III P.E.
Department of Physics and Astronomy
CP-177 Chem. Phys. Bldg.
University of Kentucky
Lexington, Ky 40506-0055
E-mail WLFUQU00@POP.UKY.EDU
Phone (606) 257-4155

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996

From: MIKE SANDERS <ks0f@il.net>

Subject: change of address

Message-ID: <199602232213.QAA03002@mail1.il.net>

Greetings All,

Please note my new address ks0f@il.net Thanks, Mike

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996

From: John Kolb <jlkolb@cts.com>

Subject: Re: Collins Rcvr Info Needed

Message-ID: <Pine.SC0.3.91.960222211358.25260C-1000000@sd.cts.com>

On Thu, 22 Feb 1996, Chuck Penson wrote:

>
> Am looking for some opinions on the Collins R-1051 receiver. What do
> you think of it in general, where might I pick one up, and how much
> am I looking at.

I didn't think too much of them when I was using them in the Navy in the early 60's - of course I don't think much of any receiver that doesn't have a dial to tune across the band, instead of setting switches to a specific freq.

Murphys Surplus had an ad in alt.radio.swap last month listing R-1051's for \$225 - I was tempted, but managed to restrain myself. Look for a posting by M. Murphy to get his phone / e-mail address, or I can look it up at work tomorrow. I saw quite a stack of them in his store last time I was there. Think the ones in the store were priced at \$325 - could have been a typo on the posting, or an older version.

John Kolb KK6IL jlkolb@cts.com Ramona, CA

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996
From: flegler@pilot.msu.edu (Stanley L. Flegler)
Subject: Re: Collins Rcvr Info Needed
Message-ID: <199602231353.IAA123482@pilot03.cl.msu.edu>

I have an R-1051H receiver, the last of the series that began with the R-1051. As far as I know, none were manufactured by Collins although it uses three Collins mechanical filters; separate 3.1 KHz for USB and LSB and 7.0 KHz for AM. The G and H models were manufactured by Stewart Warner and I've heard Harris mentioned for some of the earlier models. The basic design may have originated with General Dynamics. As was said in another posting, they are a pain to tune across the band because they use a separate knob for each digit. I generally tune with my R-390A and when I have a signal I want, I go to the R-1051H. It is a fantastic radio on SSB, excellent on AM, but terrible on CW because it uses the 7.0 KHz mechanical filter! Stability is beyond belief, one part in 10 to the eighth per day! They are all solid state, except for the front end where they use 6AN5 and 6BZ6 tubes as RF amps. The G and H models use IC chips in the synthesizer. How many radios are there that combine IC technology along with firebottle technology! The minimum detectable signal on mine is less than 0.1 microvolt. The 1051 tunes only to 0.5 KHz in increments while the other models tune to 0.1 KHz in increments. All have a VFO that is variable up or down approximately 1.5 KHz. All in all, they are an excellent radio with a

significant following of users. There was an article about them in Electric Radio, 11/01/93 issue but I haven't seen it. If you buy one and need connector information, I can send the information to you. 73 Stan, K8RPA, flegler@pilot.msu.edu

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996
From: John Kolb <jlkolb@cts.com>
Subject: Re: Collins Rcvr Info Needed
Message-ID: <Pine.SC0.3.91.960223080131.7848B-100000@sd.cts.com>

On Fri, 23 Feb 1996, Chuck Penson wrote:

> > Murphys Surplus had an ad in alt.radio.swap last month listing
> > R-1051's for \$225 - I was tempted,
> Thanks for the info, John. I don't have a news reader yet. If it
> isn't too much trouble maybe you could find/post his number.
>

Murphy's Surplus Warehouse
401 N Johnson Ave.
El Cajon CA 92020
(619)444-7717
Fax (619)fff-6750

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996
From: "Dave Emery" <die@pig.die.com>
Subject: Re: Collins Rcvr Info Needed
Message-ID: <9602231944.AA17593@pig.die.com>

>
> Last weekend I had the chance to borrow and use a friends Collins
> HF-8050 general coverage receiver. Wow! What a nice radio. It has
> what appears to be an RS-232 port on the back leading me to believe
> that it can be computer controlled. Does anyone have an info on how
> this is done?

While this has nothing to do with firebottles per se, I own a classic Collins 851S2 receiver surplus from the FCC in Florida - this is another solid state HF receiver from the late 70's to early 80's HF-80 family. Mine has the RS-232 connector, but does not have the remote control card that listens to the RS-232 port and controls the radio (it is optional - and if anyone out there has one they'd like to sell I'd appreciate hearing from them). It is a nice radio, with 1 hz fully

synthesized tuning controlled by a variable speed knob, fully synthesized offsetable BFO, built in dual channel ISB, and 8 mechanical filter bandwidths.

According to the manuals, the remote control is either a modem sending data at 300 or 1200 baud or standard RS-232 at various speeds up to 9600 8 bit asynchronous with one stop bit. Control sequences are cryptic ASCII not unlike the ICOM standard.

>
> One more item...
>
> Am looking for some opinions on the Collins R-1051 receiver. What do
> you think of it in general, where might I pick one up, and how much
> am I looking at.
>

Is not Collins...

> Thanks!

Dave Emery N1PRE
die@die.com

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996
From: Michael.J.Knudsen@att.com
Subject: Re: Collins Rcvr Info Needed
Message-ID: <9602231747.AA16521@bock.ih.att.com>

Like the idea of a sorry-state rx with REAL RF amps.
For years I used a ca 1971 Philco colro TV that had about 6 tubes
(horiz and vertical and hi-voltage), 40 trannies, and two 14-pin DIP ICs
(audio and color demodulators)! Great set, and you can imagine the power supply
had quite a few windings on the xmer. 73, mike k aa9rg

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996
From: Chuck Penson <penon@sci.mus.mn.us>
Subject: Collins Rcvr Info Thanks!
Message-ID: <312DED28.3DED@sci.mus.mn.us>

Many thanks to all who replied to my inquiry about the R-1051. The collected wisdom of the list never ceases to amaze me.

--

Chuck Penson
Education Division
Science Museum of Minnesota

person@sci.mus.mn.us
612.221.4510 voice
612.224.5092 fax
<http://comped.sci.mus.mn.us>

Standard Disclaimer: The opinions expressed are etc. etc. ...

"Nothing is too wonderful to be true" -- Michael Faraday

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996
From: "Gary H. Harmon, Jr." <gharmon@txdirect.net>
Subject: Crystals FS
Message-ID: <199602230432.WAA05312@legend.txdirect.net>

About 15 pounds of assorted crystals in different holders. NO ham frequencies. \$12 plus postage.

73, GARY.....

=====
<<<<<<<< T00 many projects, NOT enough time! >>>>>>>>>

Gary H. Harmon, Jr., K5JWK gharmon@txdirect.net
6302 Robin Forest K5JWK@K3WGF.STX.USA.NOAM
San Antonio, TX 78239 (210) 657-1549

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996
From: "Gary H. Harmon, Jr." <gharmon@txdirect.net>
Subject: CRYSTALS SOLD
Message-ID: <199602231115.FAA15550@legend.txdirect.net>

Thanks for all the responses. The crystals have been sold.

73,
GARY

=====
<<<<<<<< T00 many projects, NOT enough time! >>>>>>>>>

Gary H. Harmon, Jr., K5JWK gharmon@txdirect.net
6302 Robin Forest K5JWK@K3WGF.STX.USA.NOAM
San Antonio, TX 78239 (210) 657-1549

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996
From: Chuck Penson <penon@sci.mus.mn.us>
Subject: Re: DX-100

My impression, based on discussions with Heath engineers, is that an "A" version was never contemplated. The thinking was that the original was, in effect, the "A" version--as in the "A Team"--and that the next version would logically be the "B" version. It wasn't until the DX-60 that an "A" nomenclature was used.

My assumption is that it was Roger Mace who had been assigning all the model numbers, and that when he left (in 1960), Al Robertson had a different way of thinking about it.

--

Chuck Penson
Education Division
Science Museum of Minnesota

penon@sci.mus.mn.us
612.221.4510 voice
612.224.5092 fax
<http://comped.sci.mus.mn.us>

Standard Disclaimer: The opinions expressed are etc. etc. ...

"Nothing is too wonderful to be true" -- Michael Faraday

-----F17A895686--

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996
From: jml@spider.lloyd.com (Jim Lockwood)
Subject: Re: DX-100's
Message-ID: <m0tpxdU-000Tw0C@spider.lloyd.com>

At 05:20 PM 2/22/96 -0600, Nick England wrote:

>

>Here's what I think is the difference

>

>B model has a different cabinet (like a TX-1, but grey)

> DX-100 has a bigger perforated cabinet

>B Model has VFO/XTAL switch inside

> DX-100 has crystal select switch on front

>B Model has holes for SO-239 for SSB adaptor

>B Model does not have Coarse Loading switch

> (this also applies to later DX-100 models)
>

Also B has a cadmium (or maybe zinc) plated chassis. Original DX-100 has a copper plated chassis with a clear coat, probably of lacquer.

Ah, the memories of DX-100 discussions past....

73,

Jim - km6nk

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996
From: "James C. Owen, III" <owen@apollo.eeel.nist.gov>
Subject: RE: DX-100's
Message-ID: <31255.owen@apollo.eeel.nist.gov>

In message Thu, 22 Feb 1996 16:46:30 -0600 (CST), mack@mails.imed.com writes:

> What happened to the DX-100A? Did it ever exist? The difference
> between the DX-100 and DX-100B appears to be only the addition of
> knockouts so you can hook up a SB-10 to it.
>

There was no DX-100A, I guess in a way they considered the DX-100 the A model and then went to the B. There was much more of a change than the knock outs for the SB-10. For starters the cabinet was much different with a top trap door, the loading capacitor was 1 variable capacitor instead of a small variable and switch selected fixed ones in the DX-100. I'm sure that there were other changes but can't dig them up from memory. 73 Jim K4CGY

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996
From: Andy Wallace <wallace@mc.com>
Subject: Re: DX-100's
Message-ID: <9602232110.AA20897@taku>

----- Begin Included Message -----

From: jml@spider.lloyd.com (Jim Lockwood)
Subject: Re: DX-100's

Ah, the memories of DX-100 discussions past....

----- End Included Message -----

Then let's start another!

Actually, I was about to. I don't have any AM VFOed rigs. A friend has offered me a sick Heath Apache. That has a VFO but doesn't cover 160 (even though the matching Mohawk receiver DOES). How does the Apache compare to the DX-100? I mean in terms of reliability and usefulness, given a well-assembled model.

I will probably give the Apache a go. It smoked something while operating, and my friend has had it put aside ever since. Maybe something as simple as a choke....or it could be worse. He said it still works in TUNE mode. Any suggestions much appreciated.

Meanwhile, I've yet to make an AM contact with the Drake twins, and the Johnson Challenger is moving up on the repair list!

73,
--Andy
wallace@mc.com

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996
From: john <johnmb@nando.net>
Subject: Re: DX-100's
Message-ID: <9602232243.AA09923@merlin.nando.net>

Andy,

I have an Apache and love it. When I was set up in NM, I used it as my mainstay rig.... regardless what else broke, the Apache seemed to run fine.

Mine was a Goodwill Industries special, and I found that it had NEVER worked, having had a serious filament miswiring during its construction... I fixed that and its been a champ ever since.

Uses EL34s for modulators, and should provide considerable service. I'd wonder a bit about working only in TUNE mode... perhaps power xfmr trouble (or maybe just bad HV rectifiers).

I've got the Mowhawk and the Maurauder too. Awesome lineup!
/john

At 03:13 PM 2/23/96 -0600, you wrote:

>

>----- Begin Included Message -----

>
>From: jml@spider.lloyd.com (Jim Lockwood)
>Subject: Re: DX-100's
>
>Ah, the memories of DX-100 discussions past....
>
>----- End Included Message -----
>
>Then let's start another!
>
>Actually, I was about to. I don't have any AM VFOed rigs.
>A friend has offered me a sick Heath Apache. That has a
>VFO but doesn't cover 160 (even though the matching
>Mohawk receiver DOES). How does the Apache compare to
>the DX-100? I mean in terms of reliability and
>usefulness, given a well-assembled model.
>
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>while operating, and my friend has had it put aside
>ever since. Maybe something as simple as a choke....or
>it could be worse. He said it still works in TUNE mode.
>Any suggestions much appreciated.
>
>Meanwhile, I've yet to make an AM contact with the Drake
>twins, and the Johnson Challenger is moving up on the
>repair list!
>
>73,
>--Andy
>wallace@mc.com
>
>

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996
From: jml@spider.lloyd.com (Jim Lockwood)
Subject: Re: DX-100's
Message-ID: <m0tq7Pp-000TwMC@spider.lloyd.com>

> How does the Apache compare to
>the DX-100? I mean in terms of reliability and
>usefulness, given a well-assembled model.

I used a DX-100B from about 1963 to 1965 and an Apache/SB10 from about 1970 to about 1974. During each of these periods both transmitters performed flawlessly....never even had to so much as change a tube in either one.

At present, I've got a DX-100 and a DX-100B that have been giving completely reliable service for nearly four years now. In fact, the DX-100 has been an appliance radio....I bought it, it worked, I set it in an operating position, and I've been using it. Not too bad for a 40 year old transmitter.

So in my book, both Apache and DX-100 get high marks for reliability.

As far as usefulness, I think the Apache has a really neat combination of features that make it a pretty desirable rig. Think about this for a moment, you want to operate SSB? No problem if you have the SB-10 adapter plugged in. You want to operate high-level, plate modulated AM? No problem, it's built in. I don't think there are more than a couple of other transmitters that let you have SSB and plate modulated AM in the same box (B&W [5,6]100? Valiant with SSB adapter?)

I'd probably buy another Apache if the right opportunity arose.

73,

Jim - km6nk

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996
From: billo@nti.net (Bill Wilson)
Subject: DX-100B manual found
Message-ID: <19960223222307089.AAA236@LOCALNAME>

Thanks to all that replied, found manual and now looking for a case for the DX-100B. My case, uh, has a huge hole in the top from rust.

Bill
AC4LC

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996
From: billo@nti.net (Bill Wilson)
Subject: DX-100B Manual needed...
Message-ID: <19960223192223086.AAA232@LOCALNAME>

All this recent talk about the DX-100B has made me want one. Picked up one this morning from a preacher at a Hardee's parking lot. I need a manual for it, yeah I know half a dozen places have them but wanted to check with the list first. I will trade a Bendix MT-11B key for a nice photocopy of the manual.(or original) Also need to know the value of the electrolytic cap

which is next to the 5U4, it is shorted (preacher said it was sparking up a fit when he plugged it in) and I hope to pick one up at the Dalton Ga. hamfest on saturday.

Thanks,

I hope to have this rig going in time for field day,

Bill-AC4LC

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996
From: w7ni@teleport.com (Stan Griffiths)
Subject: Re: FCC Wullenweber antennas
Message-ID: <199602230936.BAA14401@desiree.teleport.com>

>>>Doesn't the FCC use
>>>Wullenweber (sp?) antennas for their DF'ing? I've
>
>>> They don't at the
>>>Livermore monitoring station here in California,
>
> Nor at the M.P. in Columbia, MD.

Nor at Ferndale, Washington. They have fixed wire log periodics, Beverages, and one discone.

This "Wullenweber" sounds a whole lot like the "Wire Grid Lens" antenna marketed by TCI in 1968. It was circular and large, requiring about 20 acres. It worked from 2-30 MHz and had up to 72 separate feedlines feeding the receivers. It had no moving parts, you just change feedlines if you want to listen in a different direction. They claim a DF resolution of + or - 0.5 degrees. I have an old TCI catalog showing pictures of this thing. Very impressive.

Stan W7NI@teleport.com

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996
From: paul Veltman <veltman@netcom.com>
Subject: Re: FCC Wullenweber antennas
Message-ID: <Pine.3.89.9602232101.A17591-01000000@netcom22>

>
> This "Wullenweber" sounds a whole lot like the "Wire Grid Lens" antenna
> marketed by TCI in 1968. It was circular and large, requiring about 20

> acres. It worked from 2-30 MHz and had up to 72 separate feedlines feeding
> the receivers. It had no moving parts, you just change feedlines if you
> want to listen in a different direction. They claim a DF resolution of + or
> - 0.5 degrees. I have an old TCI catalog showing pictures of this thing.
> Very impressive.

Stan and friends,

Yeah, I remember that catalog. One of the guys in the San Leandro Radio Club brought it in, and we were all drooling over it with visions of DX dancing in our heads. The only problem was (and still is), you can't put one of them monsters on a 1/4 acre lot.

Now I looked up the Wullenweber wide aperture antenna in my trusty Johnson and Jasik, and, by god, I found the son of a gun. It's in the chapter on direction finding antennas. Basically, the Wullenweber is a circle of monopoles spaced evenly at 20 degree intervals. Inside the array is a screen. Rotation is accomplished with a rotating capacity-coupled goniometer that provides sum and difference pattern information to the output of the array. As with the Adcock, the Wullenweber measures only azimuth angle. If you look at the patterns, the sum has it's maximum lobe in the desired direction, and the difference has a sharp null there. Jasik says that this antenna is capable of high speed and high sensitivity. He also mentions that it is extremely accurate, so no wonder the FCC and others concerned with DF would have them. I can't remember ever seeing one of them, tho.

Now the TCI antennas were primarily SW broadcast antennas of the lens variety, as I remember.

Regards,

Paul WA6OKQ

Oh, give me a home where the Buffalo roam, and about 50 telephone poles, a few miles of wire, and a whole buncha rhombic terminating resistors. :-)

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996

From: aculbert@pps1-po.phyp.uiowa.edu

Subject: FS: BOATANCHORS

Message-ID: <199602231910.NAA194973@ns-mx.uiowa.edu>

Another local is assisting the widow of a SK in disposing of some BAs. I have seen these units. They are IMMACULATE and the original manuals are available for all items!

While I can act as an intermediary, the primary contact is George Carsner, W0PPF who can be reached at (319) 338-1601 for details and pricing.

- 1) Heath SB-1000 amplifier w/ single 3-500Z
- 2) B&W Low pass filter
- 3) Heath HM-2140A SWR/Wattmeter
- 4) Heath SB-610 station monitor
- 5) Heath SB-401 / SB-301 / SB-600 speaker/power supply
- 6) Heath HW-12 75 meter transceiver
- 7) Heath HP-23 power supply
- 8) Heath HM-11 SWR bridge
- 9) Heath QF-1 Q multiplier
- 10) Heath desk microphone
- 11) Heath HS-24 mobile speaker
- 12) Heath HD-20 100KC crystal calibrator
- 13) Heath IM-28 VTVM
- 14) Heath HN-31 dummy load
- 15) Heath IO-18 oscilloscope
- 16) Heath AA-13 hi-fi amplifier

Al, K0AL

allan-culbert@uiowa.edu

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996

From: Joe_Wilkowski@mc.xerox.com (Wilkowski,Joe)

Subject: Hammarlund HQ-110 Tale of Woe...

Message-ID: <"<E8592E3181B7677C>E8592E3181B7677C@X-MC-0819-MS2.XEROX"@-SMF->

Fellow Anchorites

I finally started working on a HQ-110 that I have had for a long time

and have a sad
tale to tell. After cleaning up the entire rig, and waiting on the
proper documentation
I started checking the circuits. Turns out, some one decided he did
not like the HF
oscillator & mixing scheme so he decided to be creative. He ripped
out the 3045 kc If transformer (Hammarlund part number K-38947-1), a
455 kc IF transformer (38946-1) and changed the HFO freq crystal from
3.49 mhz to 2,594 mhz. Now, the original mixer tube has a 5750 tube
in it instead of a 6BE6. (I have no specs on this tube so don't know
what it is) I presume it is a Pentagrid but do not know. In
addition, the Pentagrid Converter 6BE6 is now a 6BY6 which is a
Pentagrid amplifier, which I am sure should do ok if the circuit was
functional.

I tried to find out what his intentions were but it was very difficult,
as he had haywired
a number of coils together and totally redesigned the HF oscillator (
which by the way did not work) It was such a major change, I find it
hard to believe it was a magazine mod and I don't know why he would
change the heterodoxy frequency, to 2594 who cares, either frequency
has an image in the usable ham bands of this receiver. Last but not
least, he moved all the B+ wires from the B+ source to the screen grid
source (from 230 volts to 104) man I do not have a clue on that one,
all the screens were the same potential as the plates...

So what I need is a If transformer capable of tuning 3035 KC (I
calculate about a 140 uh
in parallel with a 22 pf cap) and a standard 455 kc IF transformer
that is probably around 350 uh /330 pf to resonate at 455 khz. As
well as a 3.49 crystal.

So if any of you fine folks have a junker out there that can help me
out, I sure would
appreciate hearing from you..

tnx

/joe k8fc

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996
From: dlr13@psu.edu (Doug Ripka)
Subject: Hammarlund nameplates
Message-ID: <199602231318.IAA75244@r05n01.cac.psu.edu>

Hello all,

I have a military BC-1004 and RA-84 that are sans metal id tags. Would anyone out there have loose ones they would be willing to part with?

Thanks,

Doug KA3TTQ (dlr13@psu.edu)

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996
From: "Gary H. Harmon, Jr." <gharmon@txdirect.net>
Subject: Heathkit Manuals FS
Message-ID: <199602232348.RAA14159@legend.txdirect.net>

Sent on approval for \$5 ea plus postage.

AR-1302 AM-FM Stereo Receiver
BR-2 Broadcast Receiver
CL-1040 12v Automotive Delux Timing Light
GD-39 Ultrasonic Intrusion Alarm
GD-973A SCR Motor Speed Control
GD-1246A Rechargeable Light
GR-54 Delux SWL Receiver
ID-29 Automotive Tune-up Meter
IM-11 VTVM
IM-103 Line Voltage Monitor
IN-11 Decade Resistance Kit
IN-12 Resistance Substitution Box
IN-21 Decade Capacitance Kit
IN-22 Condenser Substitution Box
IO-103 5" Triggered Sweep Oscilloscope
IT-121 Semiconductor Curve Tracer
MM-1 VOM
MWW-15 Marine Radiotelephone (owners manual)
SA-1480 Remote coax switch
VP-1-12 Vibrator Supply
XO-1 Electronic Crossover

Hope you find one you can use. Thanks for reading.
73,GARY

=====
<<<<<<<< T00 many projects, NOT enough time! >>>>>>>>>

Gary H. Harmon, Jr., K5JWK gharmon@txdirect.net
6302 Robin Forest K5JWK@K3WGF.STX.USA.NOAM

San Antonio, TX 78239

(210) 657-1549

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996
From: TPHAAK@ccmail.monsanto.com
Subject: RE:Low Freq. xmtrs
Message-ID: <00167000015262760000002*@MHS>

Gang, regarding the low freq. transmitter discussion.....

I have setting in the corner of my hangar a Nems Clarke (I believe) Non-directional Beacon transmitter. I got it along time ago. It is in a 5 foot cabinet and built like a tank. Some lights, knobs, and alot of meters make up a nice looking front panel.

The transmitter runs in the 150Kc to 400Kc range. The local airport was going to pitch it and I rescued it, spares, manual, and all. I figured some day if US amateurs ever get the 1750 Meter band I would be all set. I think it is in the 100 watt range. I do remember that it has a pair of 805 tubes in the modulator but I don't remember much about the transmitter other than the large coils. Have to take another peak inside sometime.

This rig is probably higher frequency than the discussion but I guess it is low by today's standards and I wanted to throw it in for thought.

Tim WA0TSY
tphaak@ccmail.monsanto.com

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996
From: "Integration Area" <integrat@usr.com>
Subject: Re: Low frequency transmitters
Message-ID: <9601238251.AA825103852@robogate.usr.com>

Thank you to all who have replied.

Perhaps I should revise my request. I am interested in mainly the low frequency transmitters from 1920-1945, when the low band was in heavy use. Of course, some of the beacons scattered around may be using the old stuff - I do not know.

Before my original request, I knew of several Navy TAJs and one or two

TABs, two Signal Corps BC-365s, the low-band "halves" of remaining Navy GOs, TBLs, TBWs, and TDEs, and a pair of big Coast Guard sets (one made by Hallicrafters!). If anyone knows of any other survivors, in use or not, please let me know.

Thank you.

William Donzelli
integrat@usr.com

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996
From: arc5@ix.netcom.com (David Stinson)
Subject: Low Frequency Transmitters
Message-ID: <199602232039.MAA24238@ix10.ix.netcom.com>

William Donzelli integrat@usr.com wrote:

>If anyone knows of any surviving boatanchor low frequency
>transmitters (15-600 KHz), military, governmental, or
>merchant marine, I would really like to know.

The BC-375 and BC-191 were designed to operate down to 125 KC with the proper tuning units, although the TU-26 tuner that goes down to 200 KC is most common these days. I would like to purchase TU-1 through TU-4 tuning units.

The ART-13 will go down to 200 KC with the accessory LF oscillator and antenna loading coil.

The AN/ARC-5 Command Set series transmitters included the T-15 for 500-800 KC, the T-16 for 800-1300 KC and the T-17 for 1300-2100 KC. They used the external TN-6 antenna tuning unit. I have a T-17 on the air and I know of at least three T-16s, but have never seen nor heard of anyone with a T-15. They were advertised in the ham magazines so they're out there somewhere, no doubt in someone's garage who's going to "get around to them" someday. Yeah, right. I would personally pay most handsomely for a NOS T-15, and I can promise you it won't gather dust until I "get around to it."

Various ship-board Navy transmitters could be used in the MF-LF region, but they're not my balliwick so I'll leave that to the BIG IRON guys.

73 DE Dave Stinson AB5S/7

arc5@ix.netcom.com

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996

From: Neal McEwen <nmcewen@metronet.com>

Subject: Re: Low frequency transmitters

Message-ID: <199602232322.AA29941@metronet.com>

>

> Perhaps I should revise my request. I am interested in mainly the low
> frequency transmitters from 1920-1945, when the low band was in heavy
> use. Of course, some of the beacons scattered around may be using the
> old stuff - I do not know.

>

In Yokuska (sp), Japan, there is a Telfunken Alternator on about 20kcs.
I think it is a 500KW job. It is a backup to a real firebottle 750KW
Continental Ling. This station is used to talk to U.S.Navy submarines. The
Japs bought the Telefunken from the Germans in the early 20s. By the time it
was finished, low frequency had been abandoned in favor of short waves. So the
Yokuska site sat idle until WWII, when the Japs used it to talk to their
submarines. Our Army Air Corp (Air Force) bombed out the antenna site later
in the war. We did not hit the transmitter itself. When we occupied Japan,
our Navy took over the site, rebuilt the antennas and used it to talk to our
submarines. I forget when the Cont. Ling became the primary and the Telefunken
became the secondary. I tend to recall that it is fired up once a month.

Perhaps others will have better dates or more details of this amazing piece of
living history. It is mind boggling to think that we could pump 500KW into
the ether with a piece of AC rotating machinery. I guess necessity is the
mother of invention. No tubes big enuff in 1920, so use what you know.

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996

From: Sandy Blaize <70401.134@compuserve.com>

Subject: Manual Needed!

Message-ID: <960223063610_70401.134_IHD37-2@CompuServe.COM>

Looking for a manual or copy of same for the
General Radio model 1862C Megohmmeter. Anybody out
there got one hanging around?

73,

Sandy W5TVW

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996

From: Joe_Wilkowski@mc.xerox.com (Wilkowski,Joe)

Subject: Manuals for Sale

Message-ID: <"<B3152D3181B7677C>B3152D3181B7677C@X-MC-0819-MS2.XEROX"@-SMF->

Going through my file cabinet I have found:

Heathkit

GC-1005 Electronic Clock
AS-37A Speaker System
GDA-505-D 5 Channel Digital Proportional Transmitter
IT-28 Capacitor Checker
IT-5230-CRT Tester

All above \$10 apiece post paid.

HM-102 RF Power Meter
SB-600 Communications Speaker
HP-10 Transistorized Power Supply

Above three \$15 apiece post paid.

7 complete manuals including remote for GR-2000 Color TV \$20.00 post paid.

Knight Corporation

Knight KG-686 Rf Generator \$15.00

Alliance HD-73 \$5.00 ppd.

Hunter Corporation

Hunter Bandit 2000-B Assembly & Operating Instructions \$20.00 ppd.

All of the above manuals are in VGC to Excellent.

tnx es 73's

/joe k8fc
joe_wilkowski@mc.xerox.com

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996

From: "James T Hanlon" <JTHANLO@sandia.gov>

Subject: Ocean Hopper Tube Lineup?

Y'all,

I have a friend here in Albuquerque who has an Ocean Hopper sans its three tubes. We could probably figure out from the circuit what they are. One appears to be a 35W4, another a 50C5, and the third socket is for a 9 pin miniature.

But I thought for sure that one (or more) of you savants would know what was inside an Ocean Hopper and thus save us the trouble.

Please include Mike Langner on your reply. His address is 76434.34@compuserve.com

Thanks!

Jim, W8KGI

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996
From: dlkerl@elvis.b11.ingr.com (Dan Kerl)
Subject: Re: Ocean Hopper Tube Lineup?
Message-ID: <199602232315.AA24297@elvis.b11.ingr.com>

> Y'all,
>
> I have a friend here in Albuquerque who has an Ocean Hopper sans its
> three tubes. We could probably figure out from the circuit what they
> are. One appears to be a 35W4, another a 50C5, and the third socket
> is for a 9 pin miniature.

Jim,

The other tube is supposed to be a 12AT6. Is your friend sure that it's a 9 pin socket? The 12AT6 is a 7 pin tube. I'm basing this on the tube lineup of the Knight Ocean-Hopper sold in 1967. I suspect that a 12AV6 would also work.

A related note: I'm still looking for the longwave plug-in coil for an this radio. Let me know if there's one available.

Dan Kerl
dlkerl@ingr.com

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996
From: jproc@worldlinux.com
Subject: Re: Ocean Hopper Tube Lineup?
Message-ID: <Chameleon.4.01.2.960223221927.jproc@jproc>

> The other tube is supposed to be a 12AT6. Is your friend sure that
>it's a 9 pin socket? The 12AT6 is a 7 pin tube.

I have a schematic for the Ocean Hopper 740 circa 1955 and I can confirm that the tube line up is: 12AT6 detector, 50C5 audio output, and 35W4 rectifier. The 12AT6 plugs in directly behind the coil socket. The 50C5 is directly to the left of the rear section of the tuning capacitor when viewed from the rear. If you do indeed have a 9 pin socket for the detector, could it be a modification?

Regards,

~~~~~  
Jerry Proc VE3FAB  
E-mail: jproc@worldlinux.com  
Radio Restoration Volunteer  
HMCS Haida, Toronto Ontario  
~~~~~

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996
From: Phillip Porch <pporch@theporch.com>
Subject: paid.txt list
Message-ID: <Pine.AUX.3.91.960223171832.149A-100000@uro.theporch.com>

I have been keeping track of you has paid for the boatanchors list using quicken. I have placed this list in the boatanchors archive which may be retrieved to confirm that you indeed are listed as paid for the year. To retrieve the current paid list:

Send email to listproc@theporch.com
Null subject line

Body of the message:

get boatanchors paid.txt

This will send you the current list via email.

--

Phillip P. Porch <pporch@uro.theporch.com> finger for pgp key

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996
From: jproc@worldlinx.com
Subject: Queen Mary Radio Room
Message-ID: <Chameleon.4.01.2.960223215325.jproc@>

Dear BA's,

In 1989, I had the good fortune to spend one night aboard RMS Queen Mary in Long Beach Calif. I had a chance to operate the resident station W6R0, however, I have now come to realize that I didn't really pay much attention to the vintage radio gear that was on display. (that was a few years before the Boatanchors list).

Does anyone know what type of BA equipment was used in Queen Mary's radio room prior to her de-commissioning in 1967?

Regards,

~~~~~  
Jerry Proc VE3FAB  
E-mail: jproc@worldlinx.com  
Radio Restoration Volunteer  
HMCS Haida, Toronto Ontario  
~~~~~

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996
From: "Ray L. Mote" <rmote@rain.org>
Subject: R-392 repair "glitches"
Message-ID: <Pine.SUN.3.91.960223022640.2898B-1000000@coyote.rain.org>

1. Weird leaf stock in tube sockets to prevent movement is *removable*! That allows insertion of tube socket test adapters.
2. Primary problem turned out to be 20-pin military plug (P113/J613) contacts dirty (on gold-plated pins, yet). Caig DeOxit D5 cured that one quickly. Got suspicious when jumping from audio out of detector to grid of first audio amp gave full audio. Only real candidates were volume control on front panel and that connector -- wiggled the connector and got audio full strength.

Thanks to the gang for the knowledge, suggestions, and advice. It's real nice to have you folks "riding shotgun" with me!

73.....Ray Mote, W6RIC <rmote@rain.org>

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996
From: "Lahlum Ross" <ross_lahlum@msmail.wes.mot.com>
Subject: R390A
Message-ID: <9602232301.AA06672@kay.wes.mot.com>

I have been contemplating buying an R-390A for several years, but have always been warned that the PTO is a fearsome thing if there are any problems. This has kept me from making my move, but the Boatanchor group has rekindled my interest.

I have plenty of experience in the electronics field, but have never worked on an R390. Any advice anyone might be inclined to give me would be welcome. I'd also be interested in prices - what should I expect to pay for an R390 in good condition? And where should I look for one? What do you look for in determining its condition?

Thanks, fellow boatanchorites. It's good to know there are so many out there who share my interest in these monuments.

Ross Lahlum
KB9JJR

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996
From: "Lahlum Ross" <ross_lahlum@msmail.wes.mot.com>
Subject: RE: Svetlana factory and its subsidy
Message-ID: <9602231559.AA04084@kay.wes.mot.com>

I'm just glad somebody is still making tubes and taking the work seriously. As a musician, I have used the Svetlana 6L6's and they are indeed good. Besides, growing a trade relationship with Russia is one way to give capitalism a chance there.

>Folks,

>I think the idea of the US subsidy to Russian enterprises of this kind was to
>keep the scientific talent (nuclear engineers, to name a particularly important
>example) in Russia and not contracting to weapons programs in irresponsible
>countries because they were literally hungry and freezing. It may be an
>indirect method, but it sounds like a good one to me...and it means I can
>continue to get more kinds of tubes!

>I wonder if they will make a batch of 1L6s...?

>/scott robinson
>scottpaul@aol.com

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996
From: N4HUR@aol.com
Subject: The '39 Homebrew Rx
Message-ID: <960223173148_151866768@emout09.mail.aol.com>

Hi gang, I thought you might enjoy this story:

I spotted it at the Brunswick, Md. hamfest last summer. Blue wrinkle finish Bud cabinet, National PW dial right in the middle of the front panel.

Four knobs across the bottom, along with two toggle switches. Two knobs flanking the PW dial. Lifting the lid of the cabinet I saw two 15pf variables connected to the PW dial and a band set variable for each one.

There were sockets for four tubes, (none in place), and two sockets for plug in coils. Two National IF transformers plus a bfo coil assembly in a can completed the picture. No tubes, no coils, no power supply (external)

Looked like a homebrew receiver to me, and I had a feeling that it looked familiar. Got it for \$25, the PW dial is probably worth that! Looking through old QST's I found it in the December 1939 issue "A Four Tube Superhet" by Byron Goodman. The little set used an 1852 in a regenerative mixer circuit, 6K7 IF amp, (also regenerative), 6C8 detector/BFO osc and 6J5 HF osc. No audio amp, hi-z headphone output only.

The PW dial was locked up, no tubes, no coils. Got tubes, freed up PW dial (petrified grease), wound coils (had plenty of four prong coil forms, but needed 5 prong one for osc, no problem took 5 pin base from old tube, bored out coil form to fit it and glued cut down tube base in with Krazy glue). Replaced all paper caps, and checked all resistors, (nearly all were way high and needed replacement). The only change I made was to include a series 2 mfd cap to get the 250 volts off the headphones, I don't relish the thought of zapped ears.

I used a replica HRO doghouse power supply I built a while ago for an HRO I have and fired the little gem up. It's really a blast using this thing.

With RF and IF regeneration you really have to be involved in the minute-to-minute management of the set's operation. And of course everything interacts. The RF gain affects the regeneration point of the IF amp, and also the peaking of the mixer RF coil (Miller effect capacitance?).

Regeneration is also affected by the general uproar level on the band, but with everything set just so it's a real pleasure to work CW with. The regenerative IF gives a pleasant crystal filter like ringing to the signals when they are just on the peak, the selectivity is good, pretty nearly single signal capability, and the PW dial makes precise tuning a breeze. There's plenty of volume for headphones when working CW. The set works well for SSB as well and the drift rate is acceptable. When receiving SW AM broadcasts,

the output level drops off greatly. I assume that this is due to loss of the pumping action of the BFO on the infinite impedance detector (I haven't really worked this out or investigated it in any detail, just have a half-baked suspicion). I have a 10 watt audio amplifier which I built using a pair of 6Y6's in parallel and with that in line its FB for AM also.

I believe that this may be the prototype pictured in the December 1939 QST. I say that because my set used two different types of flexible, insulated couplings for each of the 15 pf tuning caps. The set pictured in the magazine had exactly the same two couplings. That's not proof positive, but its good enough for me.

If anyone is interested in building one of these lil gems I will be glad to help out with copies of the article and such of my experience as may be of any use.

73 Bob N4HUR n4hur@aol.com

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996
From: Andy Wallace <wallace@mc.com>
Subject: Re: The '39 Homebrew Rx / Notice of Unlicensed Transmitter?
Message-ID: <9602232325.AA01990@training6>

----- Begin Included Message -----

From: N4HUR@aol.com
Subject: The '39 Homebrew Rx

Hi gang, I thought you might enjoy this story:

I spotted it at the Brunswick, Md. hamfest last summer. Blue wrinkle finish Bud cabinet, National PW dial right in the middle of the front panel.

The RF gain affects the regeneration point of the IF amp, and also the peaking of the mixer RF coil (miller effect capacitance?).

----- End Included Message -----

With a PW dial, this is of course MILLEN effect.

I picked up a neat little 2-tube regen at the Nashua NH flea a couple of months ago. Have not yet gotten it to oscillate correctly with 01As in the sockets, though my dad got it to receive 80m signals from his MFJ SWR Analyzer. Just nothing with an antenna attached....will dig into it later. The thing that floored me was the two identical tuning caps.

Each one has a small vernier worm gear drive -- you can set the main dial independent of this, and fine-tune from any position without disengaging the fine-tune. I've never seen anything like this, but it looks like they came out of some old piece of test gear. A lot of the other components look like scrounged-20s set stuff, and some modern caps/resistors under the chassis. But overall it gives the impression that someone took some care in the construction, even though it's just a chassis and a panel, without a cabinet.

I think what holds a lot of homebrew gear back from being admirable is the lack of really good construction aids out there. What bugs me the most is LABELS. I'd love to see some transfer lettering in boatanchor-words that doesn't look like heck after you're done putting it on.

But anyway, I can see why your find pleases you. Sigh....I look at all the black wrinkle construction projects in the old Handbooks (ARRL and Editors and Engineers) and dream.

Some of you may have spotted my Marlborough MA flea report in which I describe the homebrew tx. I'd sure like to get some info on the notice nailed to the bottom -- NOTICE OF UNLICENSED TRANSMITTER, 1942. Was this some regulation due to the silencing of ham transmitters during the War?

I am looking forward to joining Bob and Conard with this little gem once I have checked it out.

73 all ye Craftsmen
--Andy
wallace@mc.com

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996
From: MODSTEPH@ACS.EKU.EDU
Subject: TMC is back..??
Message-ID: <01I1IWRDP8ZM003WDQ@ACS.EKU.EDU>

A letter from my brother Ben, K9KOM, who is in the communications business includes the following (after he made his excuses for missing CX!!):

"The good news: Technical Materiel Corp., creators of the magnificent GPR-90, has been reorganized. They are at

700 Fenimore Road in Mamaroneck, New York, 10543, phone 914-698-4800. Frank Budetti, one of the original architects of the GPR-90, is among the group. Those lucky enough to have clung to their GPR-90's over the years [Ben has one, btw] can now ship it back, to the attention of Frank, for genuine factory service. Those finding a GPR-90 for sale can glom onto it secure in the knowledge that it can be sent home to Mamaroneck if the need arises. Even better news: I have heard that they are working on new radios. If they follow TMC's tradition, they should be the 'classics' of a generation hence."

How about that!!

73, Al N5AIT
modsteph@acs.eku.edu

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996
From: Peter Ferrand <pferrand@scoot.netis.com>
Subject: Re: TMC is back...??
Message-ID: <199602232350.SAA17512@scoot.netis.com>

>>reorganization of TMC

This is encouraging, as I remember back when I was living in Noo Yawk there were a lot of these around.

I don't understand the nature of the re-organization, since I was under the impression that TMC was continuously in business, tho with only a handful of workers. Their products, far as I've seen, have been "strip receivers" and transmitters, one or two rack space things for one or a few fixed frequencies.

They have, again to my understanding, always offered repair, but at commercial-type prices, which tend to shock hams.

73,
-Pete
WB2QLL
pferrand@scoot.netis.com

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996
From: Steven Wilson <randyw@crl.com>

Subject: Vibroplex parts question

Message-ID: <Pine.SUN.3.91.960223112331.12032A-1000000@crl5.crl.com>

Two questions:

- 1) My Red plastic parts are turning pink (fading out) on my Original Deluxe.
How can I restore the color ?
- 2) Anyone know the e-mail address or vibroplex ?

thanks de stan ak0b

e-mail vai randyw@crl.com

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996

From: pbock@melpar.esys.com (Paul H. Bock)

Subject: Vibroplex parts question

Message-ID: <9602232020.AA10117@syseng1.se.melpar.esys.com>

- >1) My Red plastic parts are turning pink (fading out) on my Original Deluxe.
> How can I restore the color ?

That's a new one on me; my '63 is still red. I'm afraid I don't know the answer.

- >2) Anyone know the e-mail address or vibroplex ?

You can e-mail Mitch Mitchell, WA4OSR, at Vibroplex at fmitch@maf.mobile.al.us or write to him at:

The Vibroplex Co., Inc.
11 Midtown Park, E.
Mobile, AL 36606-4141
1-800-840-8873

A red knob is part 0-1, @ \$5.00, and a red thumbpiece is part 0-2, @ \$4.00 (black parts are 0-1a and 0-2a and are the same price as the red ones).

73,

Paul, K4MSG

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996

From: hinec@ccgate.dl.nec.com (Cory Hine)
Subject: VLF RECEIVER
Message-ID: <9601238250.AA825084929@smtpgw.ccgate.dl.nec.com>

I,m interested in something like the Rycom 2174 VLF receiver.... or something inexpensive along those lines. This is actually a frequency selective voltmeter, but can be used as a receiver. The newer units are still \$3000... not likely. Thanks to all.

Cory/N2AQS

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996
From: aa4rm%amos.UUCP@mathcs.emory.edu (Marty)
Subject: Re: VT-127
Message-ID: <9602230604.AA06802@amos.YP.mystnite>

The following comes from recent memory and is about right.

Those were the nerve center of the BC412 tx from the SCR268. There were eight in a ring oscillator, sixteen in the later '412A. The pin disposition was for convenient placement in the TX. The innards are roughly a 250t fil. & a 100T anode. The '268 ran abt. 200 mcs, came out for show in '37 & was designed to TRAIN AA searchlights!

Three man operated the 268 (1st prod'n US radar) All looked @ BC406 'round roof' scopes - one guy ea. for az, el. & dist. No duplexer (TR system) Phased trlt-mounted bedspring phased broadside array w. 1 tx ant, 2 rx ant.s (w. LOBE switching in '37!!!) for centering.

The ring osc. was designed by Samuels @ WE in '36 - note I wrote the 316A guy on this today... and said how fab Lyon's art'l in the present AWA review was on "the race to Radar".

Note a 304TL switched these VT127s in what they called the pulse modulator in the 268A. A bunch of 250THs AM plate modulated the limited prod'n 268 @ abt. 200hz (later 200 pps).

That VT127 was built by the millions for the 1000s of 268s.

Ask what time it is & u get told how to build a watch.

MR

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996

From: "Allan Fritsche" <fritsche@msn.com>
Subject: Wax removal and replacement in slugs
Message-ID: <UPMAIL03.199602232227190326@msn.com>

Gang, am about to realign the front end of a SX-101 MKIII. All coils and trimmer caps are original factory closed. ie. wax in slugs , solder on the trimmers. The question is whats the safe way to get the wax out, Digging out with a small spatula or heat. The trimmers are no problem, I HOPE. any suggestions on the coils.

Thanks
Al fritsche
fritsche@msn.com

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996
From: Sheldon Wheaton <swheaton@sky.net>
Subject: Re: WOUFF-HONG, ET. AL.
Message-ID: <Pine.SOL.3.91.960223022630.191880-100000@solar.sky.net>

On Thu, 22 Feb 1996 aculbert@pps1-po.phyp.uiowa.edu wrote:

> I have seen reference the past few days to the terrible Wouff-Hong and even one
> reference to the Rettysnitch, but no one has dared mentioning the Uggerumph.
>
> The Uggerumph was used on those that used too many CQ's or sent with what was
> described as a "slobbery fist".

Since this truly is not a BA topic, I hope to put in a final transmission, and mention one more "item" that is indeed a functional BA element, that being "Old Betsy". In some of the later 20's editions of the ARRL Handbook, Old Betsy is referred to, specifically the ROTARY SPARK GAP. In the lore of the Wouff Hong, Old Betsy is used to dispose of the remains after the Wouff Hong and Rettysnitch have done their job. Anyone who has seen/heard a 1kW spark gap (as the one on the AWA museum) can understand how it could be imagined to dispose of just about anything.

The BA relevance here is that the term "Old Betsy" is occasionally used to refer to the rotary spark gap.

73, Sheldon KC0CW swheaton@sky.net
ARRL QCWA AWA..... and most of all: ROWH

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996

From: jml@spider.lloyd.com (Jim Lockwood)
Subject: WTB: 7H7 Loctal tube, also SX-42 comments
Message-ID: <m0tq1M0-000TwEC@spider.lloyd.com>

Gang,

I'm in the midst of refurbing one of my long-dormant SX-42s and I've hit a wall. The SX-42 uses two 7H7s; I have three but two are gassy.

If you have one of these that is in good condition and is surplus to your needs, please let me know.

As an aside of the refurb of this radio: I began the process by checking each paper cap for leakage. When I had found only one (1) good one in the first eight I checked, I changed my strategy and began replacing them all. Also, all of the paper caps in this radio are red, plastic case Cornell Dublier "Tiny Chief" capacitors.

In contrast when I repaired my SX-62 a couple of weeks ago, I ended up replacing only two paper caps in that radio. It was populated with wax covered paper tubulars made by Ajax.

73 and thanks in advance for any help with the 7H7.

Jim - km6nk

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996
From: Jake Hellbach <kk5hy@accesscom.net>
Subject: WTB: manual for HG-10
Message-ID: <199602240317.VAA18939@uro.theporch.com>

Hello to all,
I have a Heathkit HG-10 VFO and need the manual so I can wire it to my radio.
Will pay copy and mailing cost.
Thanks, Jake KK5HY

+++++

Email via: kk5hy@accesscom.net
AMI #832

Check out the Westside ARC Web page at:
<http://www.accesscom.net/~kk5hy>
Now updated with boatanchor links

+++++

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996
From: bwb%sirius.triad.com@triada.triad.com (Bruce Bacon)
Subject: WTB: R390A IF Deck
Message-ID: <9602212122.AA05215@sirius.triad.com>

Greetings All,

I'm looking for a good, spare IF deck for my R390A. If you have a spare (mfg irrelevant) you'd be willing to part with, please reply at the e-mail address below. Please include asking price. Thanks and 73,

-Bruce Bacon KE6GLS (replies to - bwb@triad.com) Livermore, CA

From boatanchors@theporch.com Sat Feb 24 01:03:27 1996
From: dlkerl@elvis.b11.ingr.com (Dan Kerl)
Subject: WTB: Tektronix 1A1 plugin
Message-ID: <199602232210.AA23053@elvis.b11.ingr.com>

Wanted: Tektronix 1A1 plugin, preferably a late model (has lever switches, as opposed to switches around the input connectors) which is supposed to have less 'cathode interface' problems. Must be functional and in reasonably good condition. Looking for something in the \$35-\$55 price range. Thanks!

Dan Kerl
dlkerl@ingr.com

From boatanchors@theporch.com Fri Feb 23 13:51:47 1996
From: Chuck Penson <penon@sci.mus.mn.us>
Subject: [Fwd: Re: DX-100]
Message-ID: <312DEB96.5861@sci.mus.mn.us>

This is a multi-part message in MIME format.

-----F17A895686
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

--

Chuck Penson
Education Division
Science Museum of Minnesota

penon@sci.mus.mn.us

612.221.4510 voice
612.224.5092 fax
<http://comped.sci.mus.mn.us>

Standard Disclaimer: The opinions expressed are etc. etc. ...

"Nothing is too wonderful to be true" -- Michael Faraday

-----F17A895686
Content-Type: message/rfc822
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

X-Mozilla-Status: 0001
Message-ID: <312DEB25.2D75@sci.mus.mn.us>